Denham Garden Village TV, Telephone & Data User Guide

Version:	1.0
Date:	November 2006
For:	Residents of Denham Garden Village
Contents:	Instructions on how to use, configure and extend the TV/Satellite & Telephone/Data systems within the dwellings at Denham Garden Village
Latest Revision:	www.abledata.co.uk/denham

© Able Data Installations Plc 2006

Contents

1 Introduction 5
2 Support & Assistance 7
2.1 General Help & Advice 7
2.2 In Depth Help 7
2.3 Download This Guide 7
2.4 Cables & Parts 7
3 Equipment Cabinet 9
3.1 Cabinet 9
3.2 Patching 9
3.3 Leads 10
4 The TV System 11
4.1 General Capability 11
4.2 Lounge Socket 11
4.3 Bedroom & Kitchen Sockets 12
4.4 Re-configuring the TV Patch Panel 12
4.5 Configuration 1 - Sky+/HD (Default) 14
4.6 Configuration 2 – Sky & TV in One Other Room 15
4.7 Configuration 3 - Sky with Return 16
4.8 Configuration 4 – Loft Box 18
4.9 Other Configurations 20
5 The Telephone & Data System 21
5.1 Introduction 21
5.2 Inside the Equipment Cabinet 21
5.3 Connecting Telephone Extensions 23
5.4 Connecting a Second Line 24
5.5 ADSL Broadband 24
5.6 Other Applications 26
Appendix A Loftbox Re-configuration 27
Appendix B Voice Line Circuit Information 31
Appendix C Enabling the Sky RF2 Output 33
Appendix D Commonly Used Leads & Parts 35

1 Introduction

The Denham Garden dwellings are equipped with general purpose:

- TV and Satellite reception system
- Telephone/Network system

Whilst these systems are configured to provide adequate TV and Telephone services, there may be significant benefits from understanding how to extend and re-configure the systems to provide more flexible options.

For example, the TV system as installed (unless the Loft Box extension has been fitted) will only provide signals to the TV outlets in the Lounge and Master bedroom. This guide will show you how to re-configure the system to provide TV signals to any of the TV outlets.

As a further example, the Telephone/Data system as installed will only provide a telephone line to the Tel/Data outlets in the Lounge. This guide will show you how to re-configure the system to provide a Telephone line to any wall outlet.

This guide describes what the systems do and how to set them up to provide a broader variety of functions.

The guide is aimed at people who have some experience of plugging in and setting up TV's or telephones. If this does not apply to you, please show this guide to the person who is assisting you to set up the TV's and Telephones in your dwelling.

2 Support & Assistance

2.1 General Help & Advice

If you require help, please contact the Denham Garden representative from Anchor Trust, who will do their best to assist. They will be familiar with the contents of this guide and will be able to advise and assist on most basic configuration queries.

2.2 In Depth Help

For more in depth help, feel free to contact Able Data, who installed and maintain the system.

Able Data offer a chargeable consultancy service to Denham Residents for the setting up and configuring of Audio Visual and Computer systems.

Able Data Installations
Able House
1 Figtree Hill
Hemel Hempstead
Herts
HP2 5XL
Tel: 01442 219580

Please call during normal working days 8:30 – 17:30.

Alternatively visit the Able Data web site at www.abledata.co.uk/denham where information about new products and services will be shown.

2.3 Download This Guide

For the latest online version of this manual, visit the Able Data website at www.abledata.co.uk/denham.

2.4 Cables & Parts

The system is supplied with a base set of cables. However, when you are connecting up equipment, you will inevitably require additional cables and parts.

A list of the most common parts may be found in Appendix D. These part numbers are referenced in this guide as they are mentioned and shown in *blue italics*.

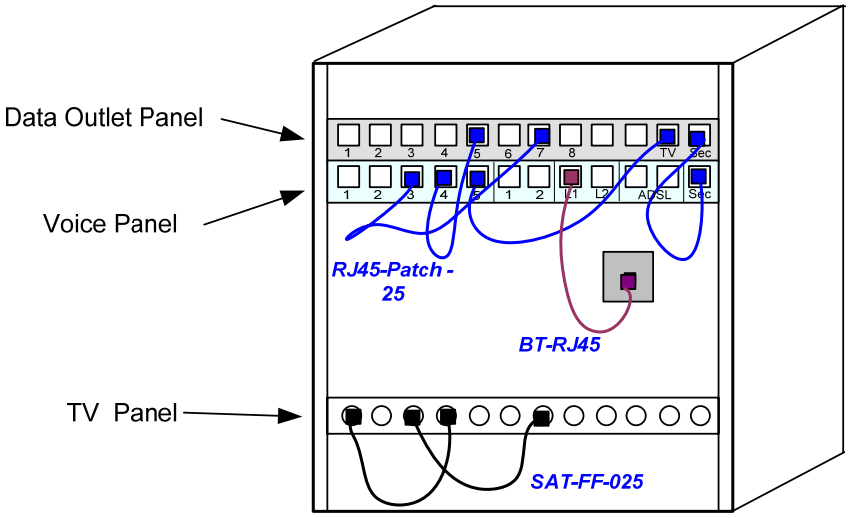
Some of the more common parts may be purchased at the Denham Garden Village shop. Most may also be purchased from high street electrical outlets.

If a particular part is difficult to source this way, they can be obtained from Able Data, details as above. Please call for more information and prices.

3 Equipment Cabinet

3.1 Cabinet

Most changes to the systems will be done in the equipment cabinet. The equipment cabinet is a small wall mounted cabinet which will normally be found under the stairs or in the hallway cupboards. All of the Data/Telephone outlets around the dwelling cables are connected back to the equipment cabinet.



Most changes can be made by re-patching the patch panels within the equipment cabinet (see next section).

More advanced changes can be made by adding equipment to the cabinet. A 4-way power strip is provided inside the cabinet to power such devices. The Equipment Cabinet will house any standard 10-inch mounting equipment.

3.2 Patching

Patching is a term used to describe connecting two sockets on a panel with a patch lead. The patch leads are designed to be easily plugged or unplugged onto/from the patch panels.

In the Denham Equipment Cabinet, two main types of patch lead are used:

- Data patch leads *(RJ45-Patch-025)* (sometime called RJ45 patch leads). These are used to interconnect sockets on the Data Panel and Voice Panel.
    - To disconnect one end of a lead (the RJ45 plug), squeeze up the plastic end at the bottom of the and simply pull out.
    - To re-connect a lead, push into the socket (ensuring the right way up) until it clicks into place.
- TV patch leads *(SAT-FF-025)*. These are used to interconnect sockets on the TV panel.
    - To disconnect one end of a lead (the F-plug), screw the metal cap anti-clockwise until it come off. Then pull out the lead.
    - To re-connect a lead, carefully push the central copper wire into the socket central hole and then screw the metal cap clockwise until finger tight.

3.3 Leads

The system is installed with sufficient leads to do basic patching. However, to connect telephones, televisions, Sky boxes or other equipment, additional leads will be required. These may be purchased as described in Section 2.4.

4 The TV System

4.1 General Capability

Each Dwelling is provided with signals to allow receiving of any of the following:

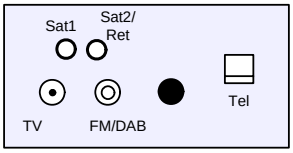
- Standard Analogue Terrestrial TV channels (BBC1, BBC2, ITV1, CH4, CH5).
- Freeview (otherwise known as DTT). This provide the same five channels as above, plus a number of other free to view channels, such as BBC3, BBC4, BBC News 24, ITV2, ITV3, ITV4 etc.
- Sky Digital (Sky or Sky+, including Sky HD).
- FM and DABS Radio.

As part of the national 'analogue switch off', it is planned that sometime in 2012 the Analogue Terrestrial broadcast services in the Denham Garden Village area will be switched off. From that date on, Freeview will be the only way of receiving 'off air' TV services. If your TV is not equipped with an integrated digital tuner, you will still be able to receive standard TV by purchasing a Freeview set top box.

These signals are provided from a centralised reception system in the Village centre and should always be of the highest quality.

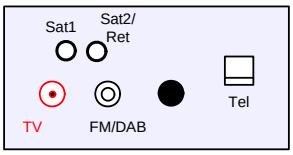
4.2 Lounge Socket

The main TV outlet will be found in the Lounge. This outlet provides facilities for receiving standard TV, Satellite and/or radio.



Standard TV

A TV plugs into the outlet marked TV (bottom left above) using a standard TV aerial lead *(TV-Aerial-xxx)*. This outlet is the equivalent of the TV aerial socket to be found in many houses.

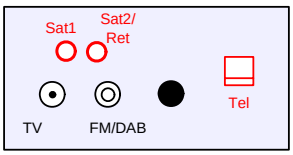


Either standard analogue TV or FreeView Digital TV may be received. Hence for example, a FreeView box may be connected to the TV socket as described in the instructions that come with the FreeView equipment.

Sky Satellite

If you have a Sky subscription and a Sky Digibox, you will be able to receive Sky TV from the Lounge socket.

1. Plug the Sky Digibox into the Sat1 outlet using a satellite lead *(SAT-FF-xxx)*. If you have brought the Digbox from a home with its own Sky dish, it will not come with a satellite lead, so you will need to obtain one.



   If the Digibox is Sky+ or HD, you will also need to:

   - Connect the Digibox Satellite 2 input to the Sat2/Ret outlet using a second satellite lead *(SAT-FF-xxx)*.
   - Check that the TV patch panel in the Equipment Cabinet is properly configured for Sky+/HD – see Section 4.6 below.

2. Plug the telephone connection of the Sky box into the Telephone outlet on the Lounge Socket. The standard lead that came with the Sky Digibox may be used. This connection is only required for the reception of Sky interactive services. However, Sky may also require you to connect for contractual reasons.

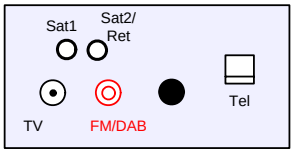
   Note: If you find the Telephone connection does not work, it may be because the Telephone socket has not been properly configured in the Equipment Cabinet. See Section 5.3.

3. Connect your TV or display into the Sky Digibox using the standard SCART or others leads supplied with the Digibox.

If you already are a Sky subscriber you will be able setup Sky by following the instructions above. If however, you wish to start a new subscription, please contact Able Data as shown in Section 2.2 and they will be able to provide advice on how to connect.

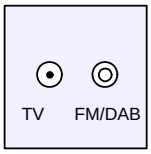
Radio

IF you have an FM or DABS tuner, you can receive high quality signals by plugging the tuner into the FM/DAB outlet.



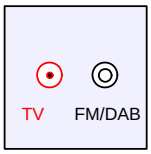
4.3 Bedroom & Kitchen Sockets

Each bedroom & kitchen will have its own TV socket. This outlet provides facilities for receiving standard TV or radio.



Standard TV

A TV plugs into the outlet marked TV using a standard TV aerial lead *(TV-Aerial-xxx)*. This outlet is the equivalent of the TV aerial socket to be found in many houses.

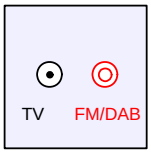


Either standard TV or FreeView Digital TV may be received. Hence for example, a FreeView box may be connected to the TV socket as described in the instructions that come with the FreeView equipment.

Note, that by default, only the first bedroom TV outlet will be connected. You will need to check that the TV patch panel in the Equipment Cabinet is properly configured for TV reception in this bedroom. See Section 4.4 below.

Radio

IF you have an FM or DABS tuner, you can receive high quality signals by plugging the tuner into the FM/DAB outlet.



4.4 Re-configuring the TV Patch Panel

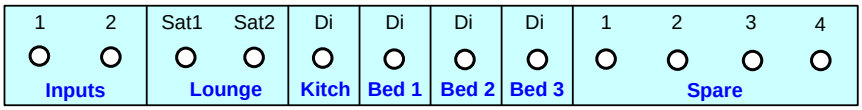
In order to configure which TV outlet receives signals, some re-configuration of the TV patch panel within the cabinet may be required.

The TV patch panel is sited within the Equipment Cabinet.

Panel Layout

Each dwelling receives two independent TV/Sat feeds from the site TV distribution system. These are presented on the first two outlets of the TV patch panel.

The rest of the used panel outlets are connected to the TV outlets within the dwelling, two to the Lounge Socket and one to each of the Bedroom Sockets.



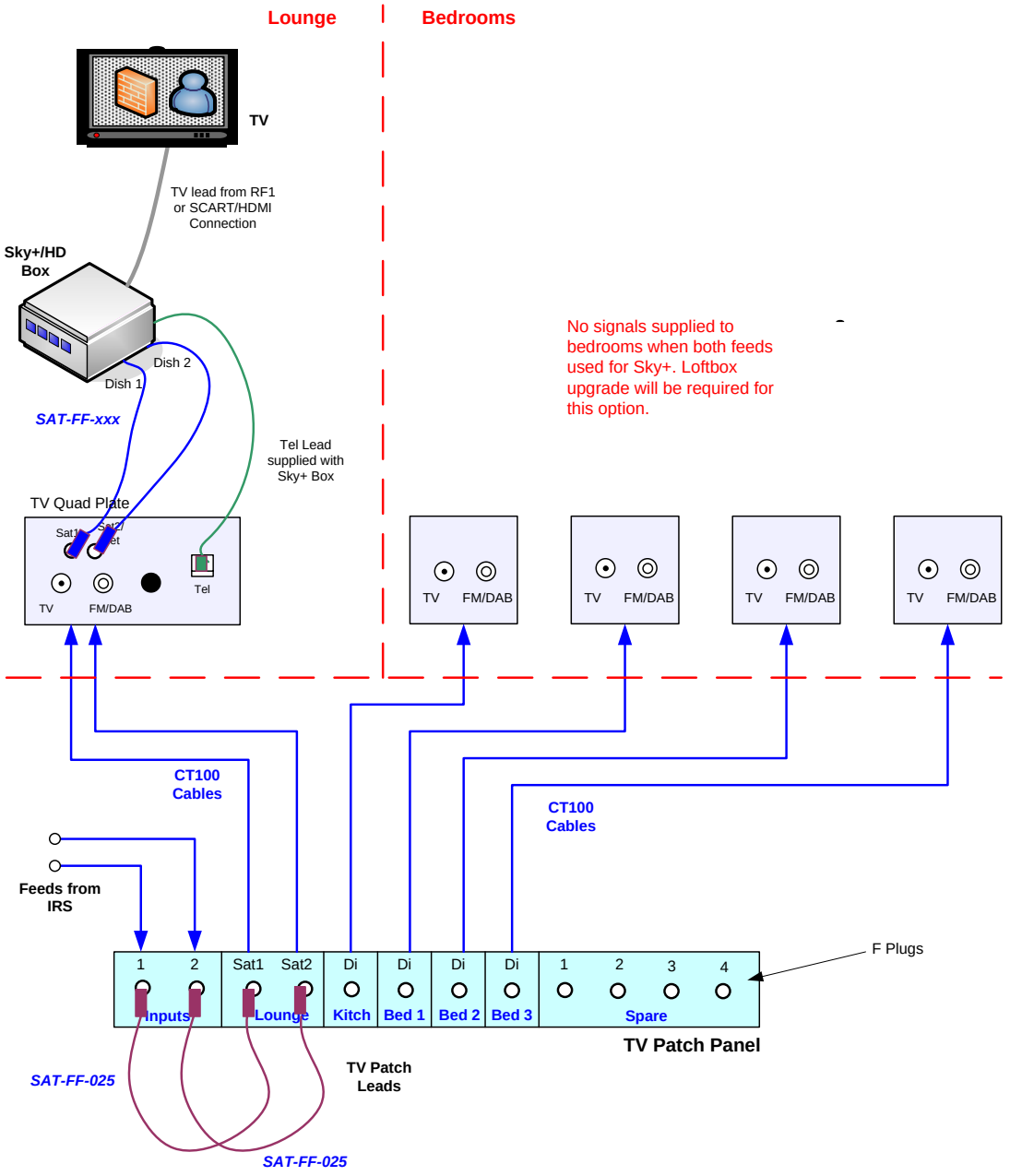
TV Patch Panel

The following sections describe typical configurations.

4.5 Configuration 1 - Sky+ / HD (Default)

The table/drawing below shows the standard configuration, which is how each dwelling is configured when first installed. This provides TV/Sky+ in the lounge but in no other rooms.

Room	TV	FM / DABS	Sky	Sky+ / HD
Lounge	✓	✓	✓	✓
Kitchen				
Bedroom 1				
Other Bedrooms				

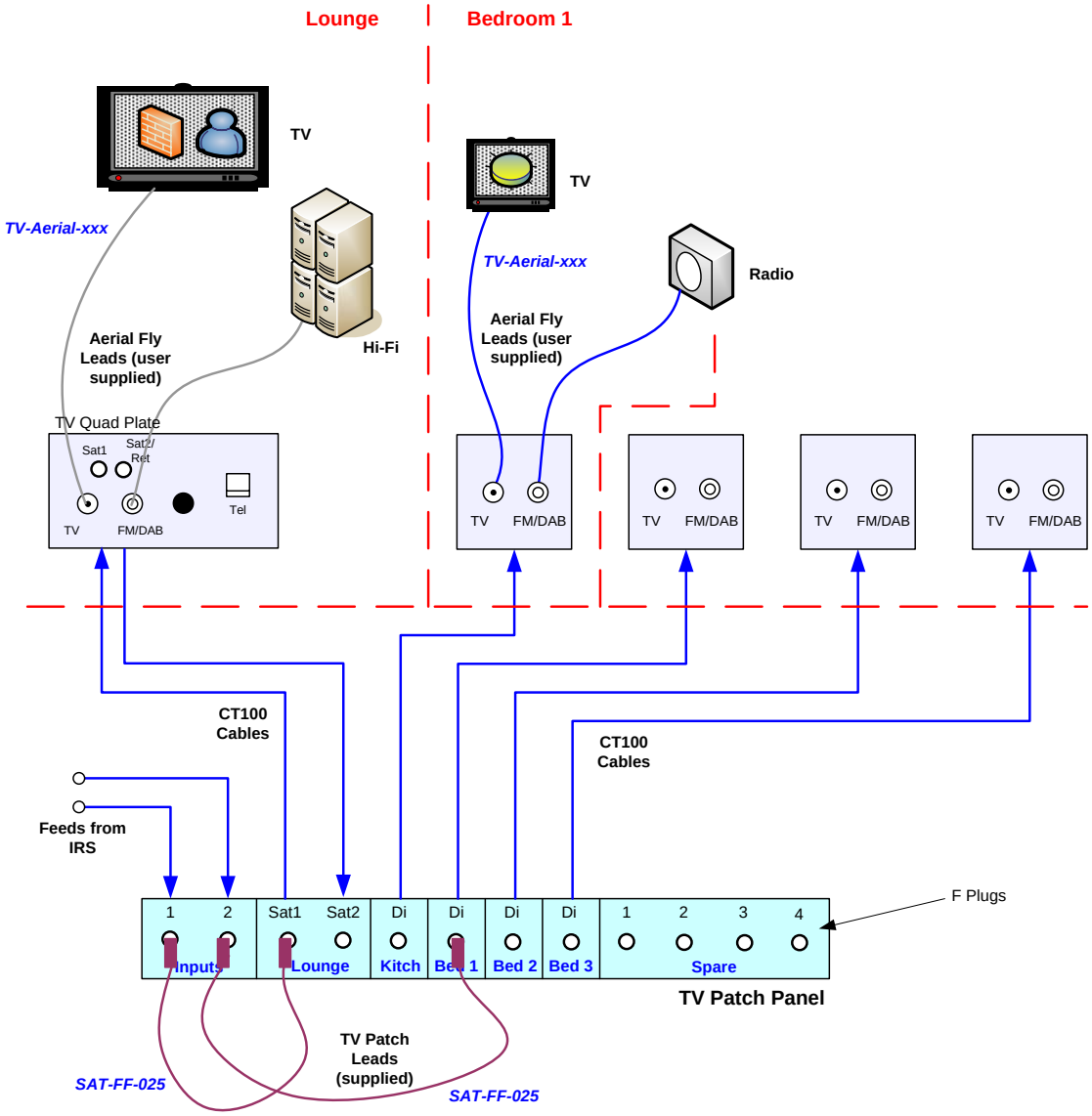


4.6 Configuration 2 – Sky & TV in One Other Room

This provides TV/Sky in the lounge (but not Sky+/Sky HD) plus TV in the first bedroom.

A simple reconfiguration would be to move the Bedroom 1 patch lead connection to an alternative bedroom or kitchen so that TV can be viewed in that room.

Room	TV	FM / DABS	Sky	Sky+ / HD
Lounge	✓	✓	✓	
Kitchen				
Bedroom 1	✓	✓		
Other Bedrooms				



4.7 Configuration 3 - Sky with Return

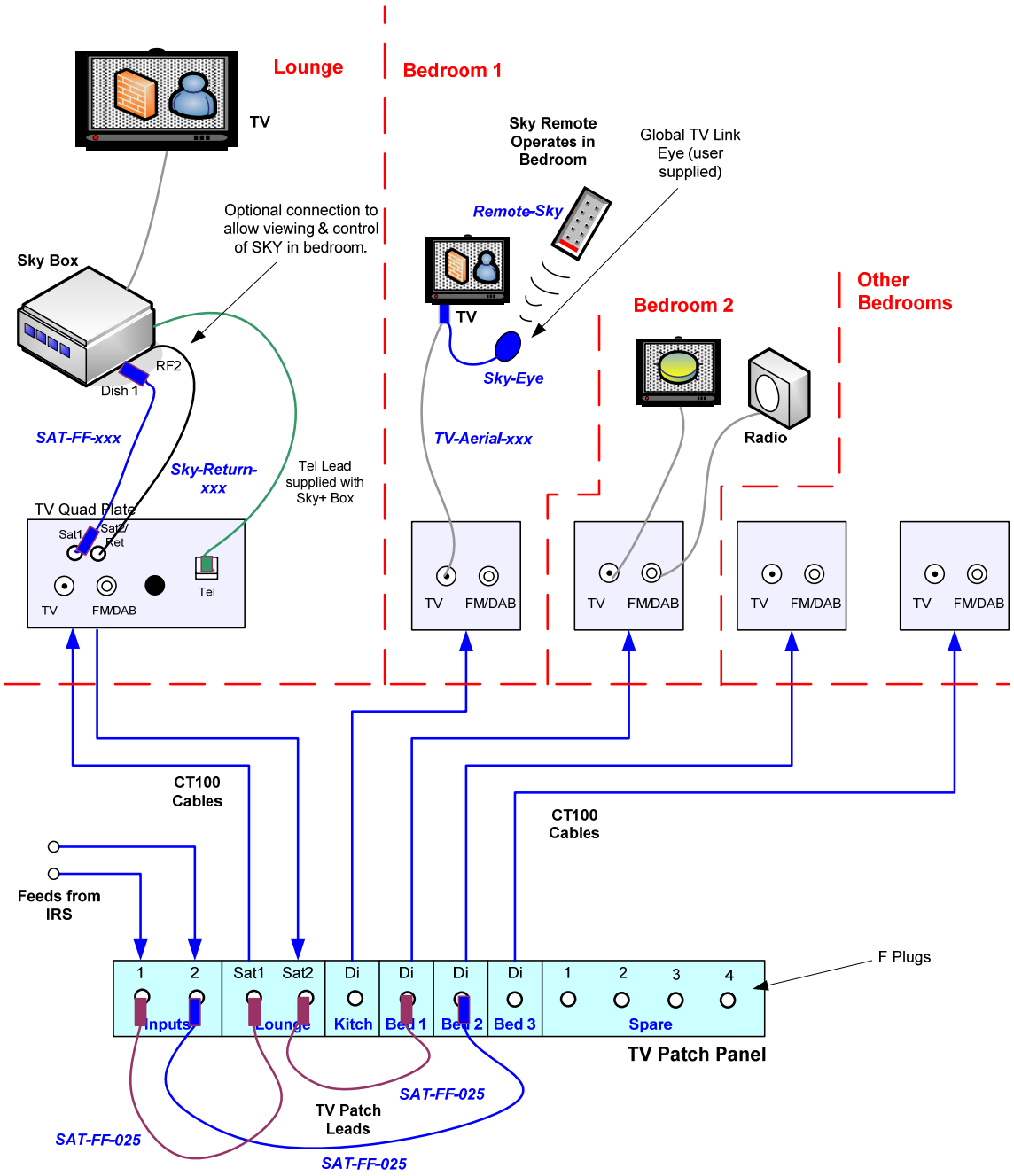
The Sky Box has the facility for the Sky to be controlled and viewed on a second TV in another room.

This example configuration shows Sky being repeated in Bedroom 1, whilst Bedroom 2 receives standard TV. Bedroom 1 will also be able to receive standard TV channels.

Note:

- As well as re-patching the TV patch panel as per the schematic below, an additional Sky Return lead will be required, to connect the Return 2 of the Digibox to the Sat2/Ret outlet on the Lounge Socket *(Sky-Return-xxx)*.
- To watch Sky on the Bedroom 1 TV, the TV will require tuning in to the Sky channel.
- In order to control the Sky box from Bedroom 1:
    - A tvLINK *(Sky-Eye)* (often know as Magic eye) infrared repeater and second Sky remote *(Remote-Sky)* will be required. These are available from most TV stores.
    - The Sky Digibox will require setting up through the Installer Menu. The tvLINK should come with instructions on how to do this. Alternatively, follow the instructions in Appendix C.
- The Sky Digibox can only output one channel at a time, so the TV's in the lounge and bedroom 1 will show the same channel.

Room	TV	FM / DABS	Sky	Sky+ / HD
Lounge	✓	✓	✓	
Kitchen				
Bedroom 1	✓		View Lounge Sky	
Bedroom 2	✓	✓		
Other Bedrooms				


Lounge
Bedroom 1
Bedroom 2
Other Bedrooms
TV
Sky Box
Optional connection to allow viewing & control of SKY in bedroom.
Sky Remote Operates in Bedroom
Global TV Link Eye (user supplied)
Remote-Sky
Sky-Eye
RF2
Dish 1
SAT-FF-xxx
Sky-Return-xxx
Tel Lead supplied with Sky+ Box
TV-Aerial-xxx
Radio
TV Quad Plate
Sat1
Sat2/ Ret
Tel
TV
FM/DAB
CT100 Cables
Feeds from IRS
F Plugs
1
2
Sat1
Sat2
Di
Inputs
Lounge
Kitch
Bed 1
Bed 2
Bed 3
Spare
3
4
TV Patch Panel
TV Patch Leads
SAT-FF-025

4.8 Configuration 4 – Loft Box

In order to be able to receive TV signals to all outlets in the dwelling plus facilitate the viewing of Sky+/Sky HD in the lounge whilst watching Sky from a bedroom, a loft box will be required.

To see whether you have a loft box already fitted in your dwelling, check whether there is a black box marked 'LoftBox' in the Equipment cabinet.

If not fitted, a Loft Box can be easily added. Please contact Able Data as described in Section 2.2.

The Loft Box provides:

- TV signals to all bedroom outlets.
- The facility for viewing Sky+/Sky HD in the lounge, whilst watching/controlling the Sky from any of the bedrooms.

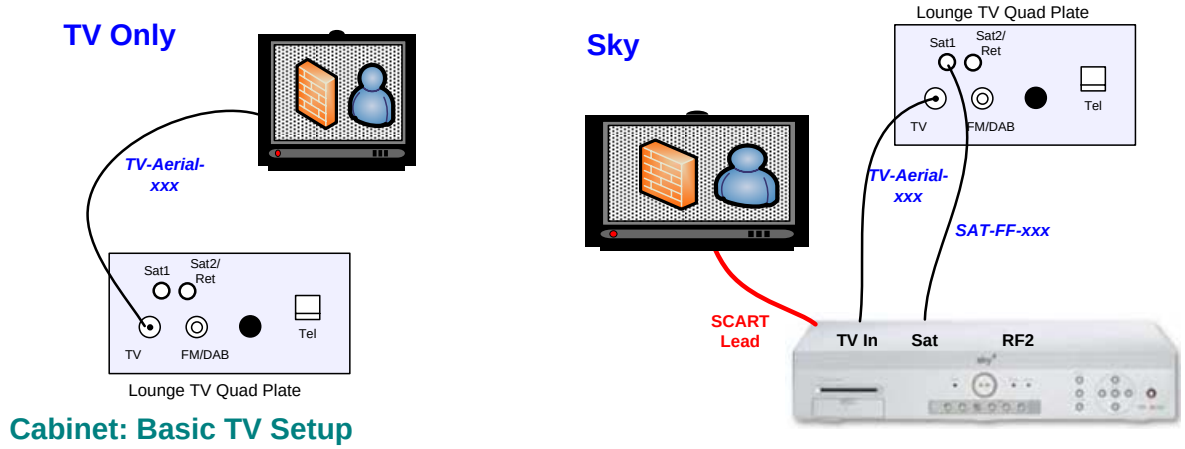
Room	TV	FM/ DABS	Sky	Sky+/HD
Lounge	✓	✓	✓	✓
Bedroom 1	✓	✓	View Lounge Sky (will not be HD)	
Bedroom 2	✓	✓	View Lounge Sky (will not be HD)	
Other Bedrooms	✓	✓	View Lounge Sky (will not be HD)	

The table and schematic below shows how to wire up the Lounge TV/Sky satellite system, depending on the lounge configuration required:

Lounge Setup	How to Connect Up	Dist Cab Setup*
TV Only	Connect TV Aerial socket into TV *(TV-Aerial-xxx)*.	Basic TV
Sky	Connect: • Sky Sat to Sat1 socket *(SAT-FF-xxx)*.	Basic TV
Sky with return+	Connect: • Sky TV to TV socket *(TV-Aerial-xxx)* • Sky Sat to Sat1 socket *(SAT-FF-xxx)* • Sky RF2 to Sat2/Ret socket *(Sky-Return-xxx)*	Sky
Sky+/Sky HD with return+	You will need to use the diplexer device to multiplex the Sat2 and Sky return signals through the Sky2/Ret socket. The diplexor should be stored in the Distribution Cabinet when not in use. Connect: • Sky TV to TV socket *(TV-Aerial-xxx)* • Sky Sat1 to Sat1 socket *(SAT-FF-xxx)* • Sky Sat2 to Diplex-SAT *(SAT-FF-xxx)* • Sky RF2 to Diplex-TV *(Sky-Return-xxx)* • Sat2/Ret Outlet to Diplex-IN *(Sky-FF-xxx)*	Sky

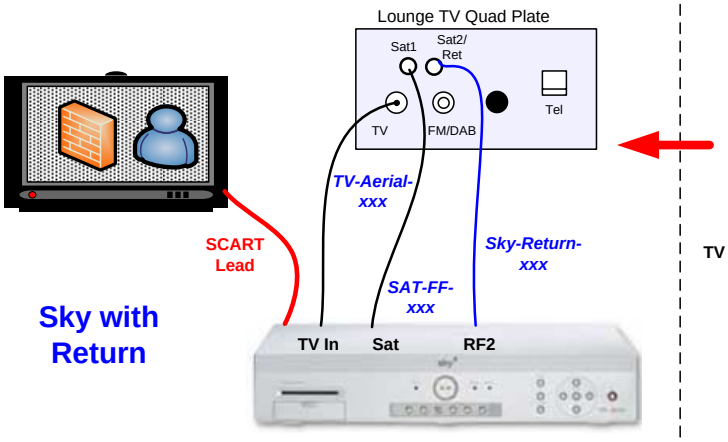
* The Distribution Cabinet patch setup may require re-configuring. See Appendix A on how to do this.

+ Setup return as described in Section 4.7. If Sky+/HD option, use Sky+ remote on second TV *(Remote-Sky+).*



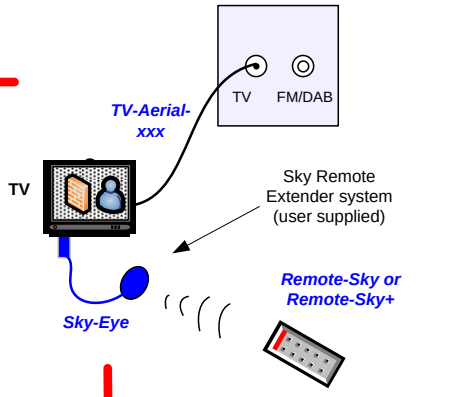
Cabinet: Basic TV Setup

Cabinet: Sky Setup

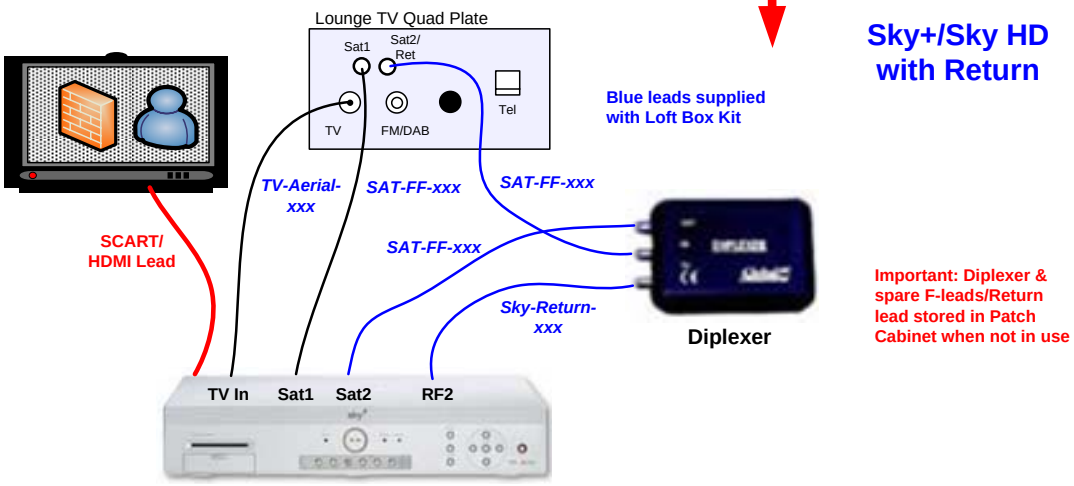


Sky with Return

Watch & control Sky in another room



Sky+/Sky HD with Return



4.9 Other Configurations

It is possible to extend the system to provide a number of different configurations, such as:

- TV in all rooms.
- Sky+ in the lounge plus TV in all rooms.
- Sky in lounge plus second Sky box in a bedroom.

For more advice or assistance on how to do this, please call Able Data as shown in Section 2.2.

Important

Because only two feeds come into each dwelling, the upper constraint on Sky in a dwelling is either:

- One Sky+/HD box
- Two Sky boxes

5 The Telephone & Data System

5.1 Introduction

There are a number of telephone/data outlets distributed around the dwelling. These are standard RJ45 Cat5e structured cabling outlets, connected back to the Equipment Cabinet.

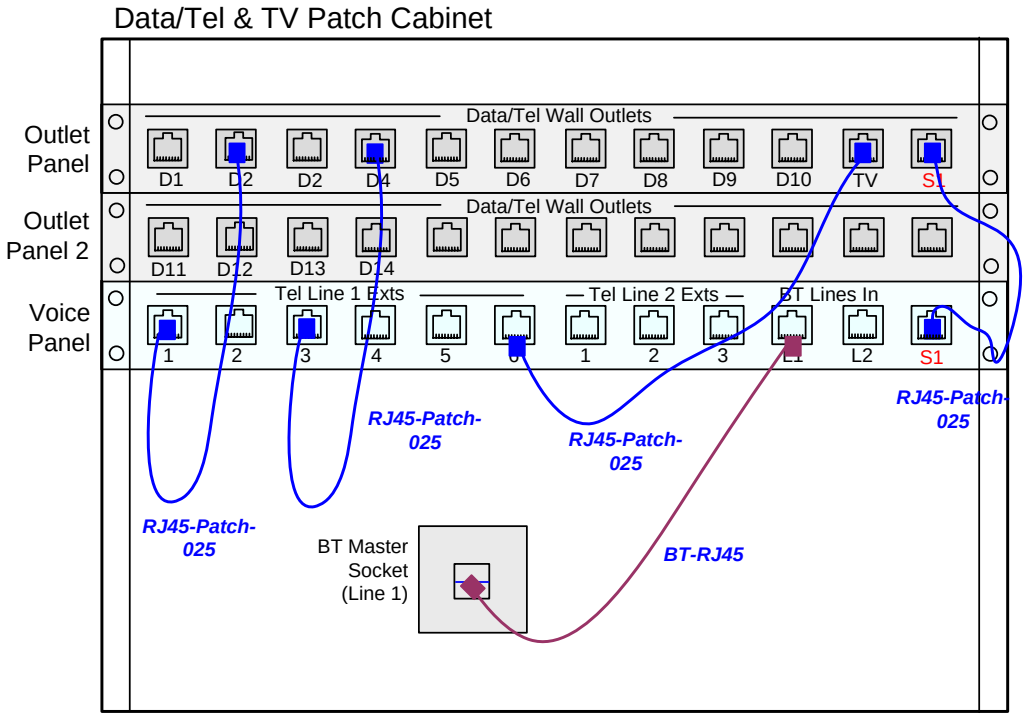
The most common use of these outlets is for plugging in telephones. However, they may also be used for other applications such as computer networking, TV distribution or any other application that can run over standard Cat5e structured cabling.

5.2 Inside the Equipment Cabinet

The schematic below shows a typical data panel setup.

Data Panel

There will be one (or sometimes two) outlet panel in the cabinet. Each socket on this panel is connected to a telephone/data outlet somewhere in the dwelling. You will be able to work out which by referring to the labelling. Outlet D1 on the panel is connected to the wall outlet marked D1 and so on.



Voice Panel

The bottom panel is the voice panel, onto which the BT extensions are presented.

- **Line 1**. The BT primary line will be connected to the six leftmost sockets on the panel (labelled 1 to 6), which act as six extensions to that line. Although it is possible to plug a telephone directly into any of these six sockets, you would normally patch these sockets to outlet sockets of your choice, allowing you to plug telephones into the wall outlets around the dwelling. By default,

the outlets in the lounge, master bedroom and from the lounge TV plates are pre-patched.

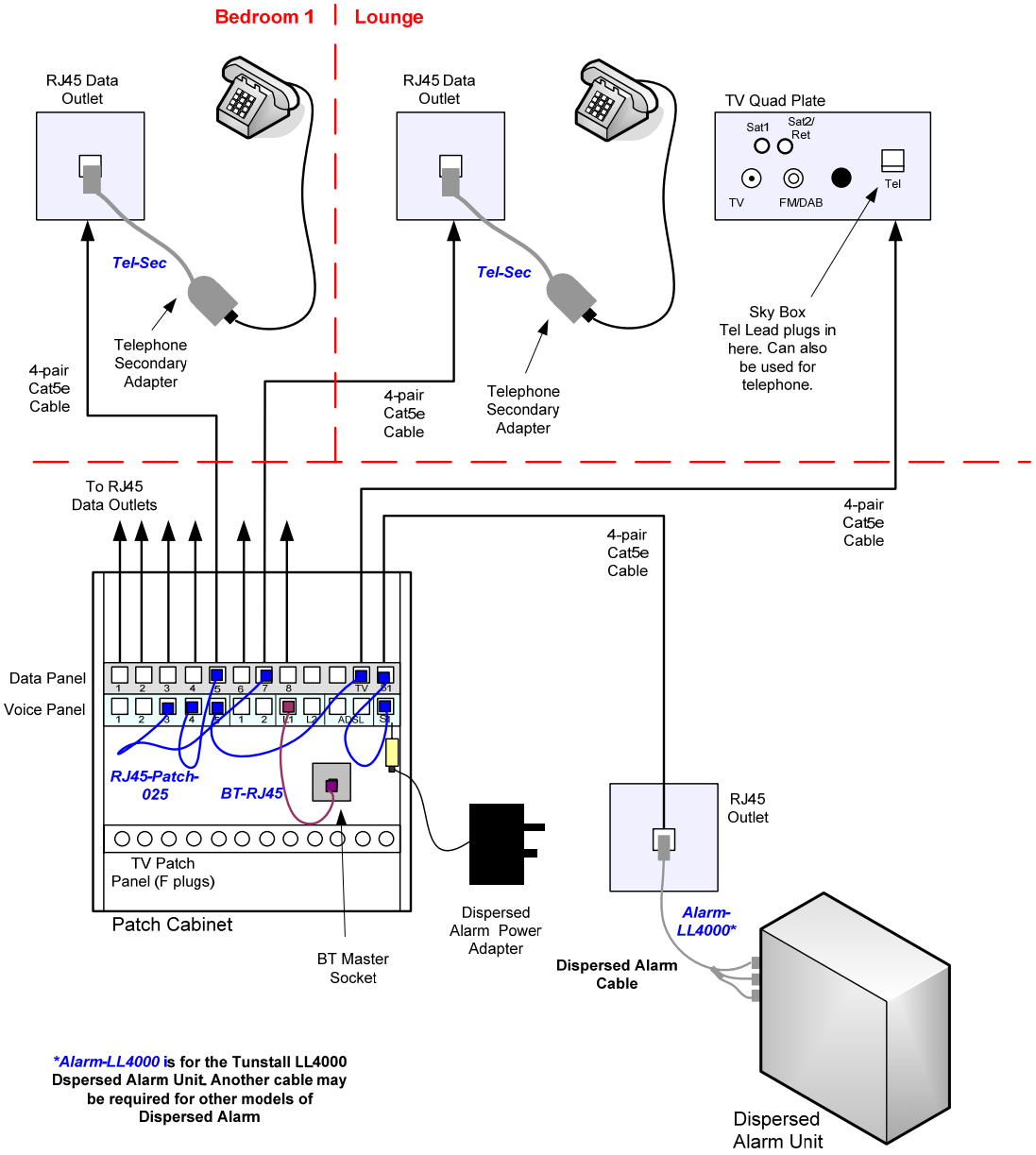
- **Line 2**. If a second external telephone line is required (for example a fax line), this can be connected to the voice panel and will appear on the next three sockets. As per line 1, these can be patched through to any outlets of your choice. Note that you will need to obtain an additional BT-RJ45 lead *(BT-RJ45)* and use this to connect the BT second socket to the voice panel (L2 socket).
- **Security System**. The Dispersed Alarm security system is connected inline to the primary telephone line. All connections to the Dispersed Alarm, including power, are routed via the voice panel. It is therefore very important that these connections are not disconnected at any time (the Dispersed Alarm will speak a warning if a disconnection is made). By convention, the Dispersed Alarm is always connected to the Telephone/Data outlet in the hallway. Since the Dispersed Alarm is connected between the BT incoming line and the extensions, the Dispersed Alarm will be able to disconnect the main telephone line in the event of an emergency being raised.

For those extreme technical types, Appendix B details the voice panel wiring schematic.

5.3 Connecting Telephone Extensions

If some of the previous section was a little difficult to follow, do not fear - connecting a telephone is simple:

1. Plug the telephone into a free Telephone/Data outlet. To do this you will require an RJ45-BT secondary adapter *(Tel-Sec)*.
2. In the Equipment Cabinet check whether the outlet that you have just plugged into is patched into a Line 1 extension (1 to 6). If not, use a free RJ45 patch lead *(RJ45-Patch-025)* to connect your chosen socket on the data (top) panel to a free socket 1-6 on the voice (bottom) panel.



5.4 Connecting a Second Line

If a second external line is connected, it should be installed by BT as a second BT socket within or next to the equipment cabinet. You will then need to connect from this socket into the L2 socket of the voice panel using a BT-RJ45 lead *(BT-RJ45)*.

You will then be able to connect telephones and other devices to the second line by patching outlets to the three extensions on the voice panel, as per previous section.

5.5 ADSL Broadband

ADSL is the most popular broadband method of connecting to the Internet.

There are two main schemes for connecting broadband within your dwelling

ADSL Modem / Router in the Equipment Cabinet

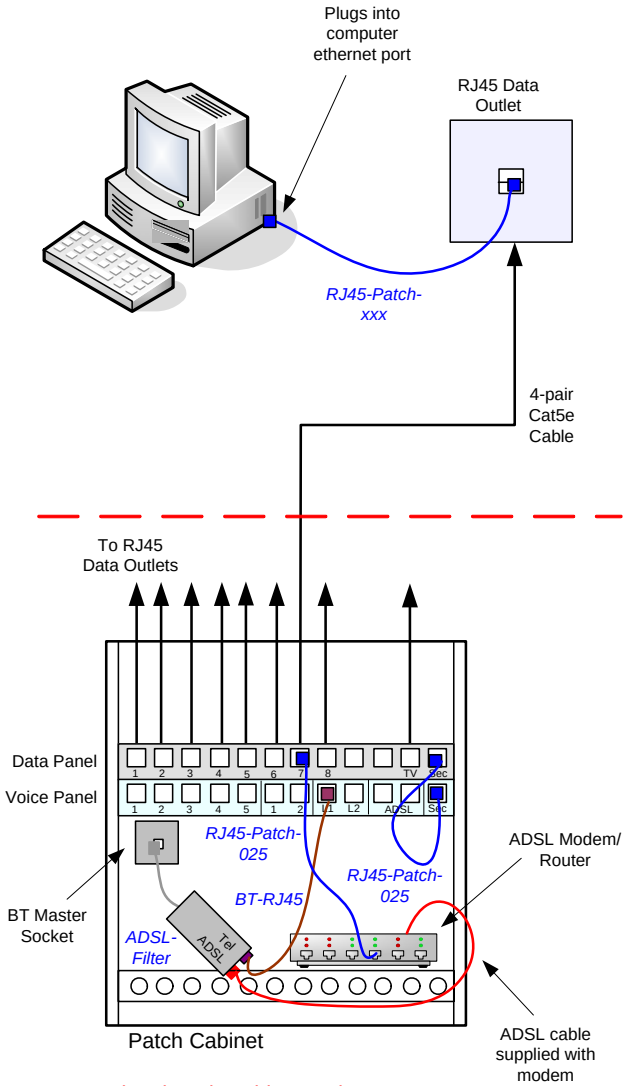
This method provides the most flexible solution.

When ordering the ADSL connection, make sure that it comes with an ADSL modem which provides at least one Ethernet connection. Ideally it will be an ADSL modem/router which also acts as a network switch and which typically provides four network Ethernet ports. Many such modems also provide a wireless interface.

Mount the ADSL modem either in or beside (if it a wireless modem outside the cabinet is much better) the Equipment cabinet and connect it as shown in the schematic. You will then be able to connect one or more PC's to the internet by patching through to the modem as shown. Note that each PC will require an Ethernet interface.

The only down side with this method may be that the network connection uses up a outlet which would otherwise serve as a useful telephone outlet. In this case consider one of the following:

- Use a wireless connection to the computer
- Connect the data and voice links to the same outlet. It is possible to obtain combiners/splitters which allow a telephone & computer to share an outlet.

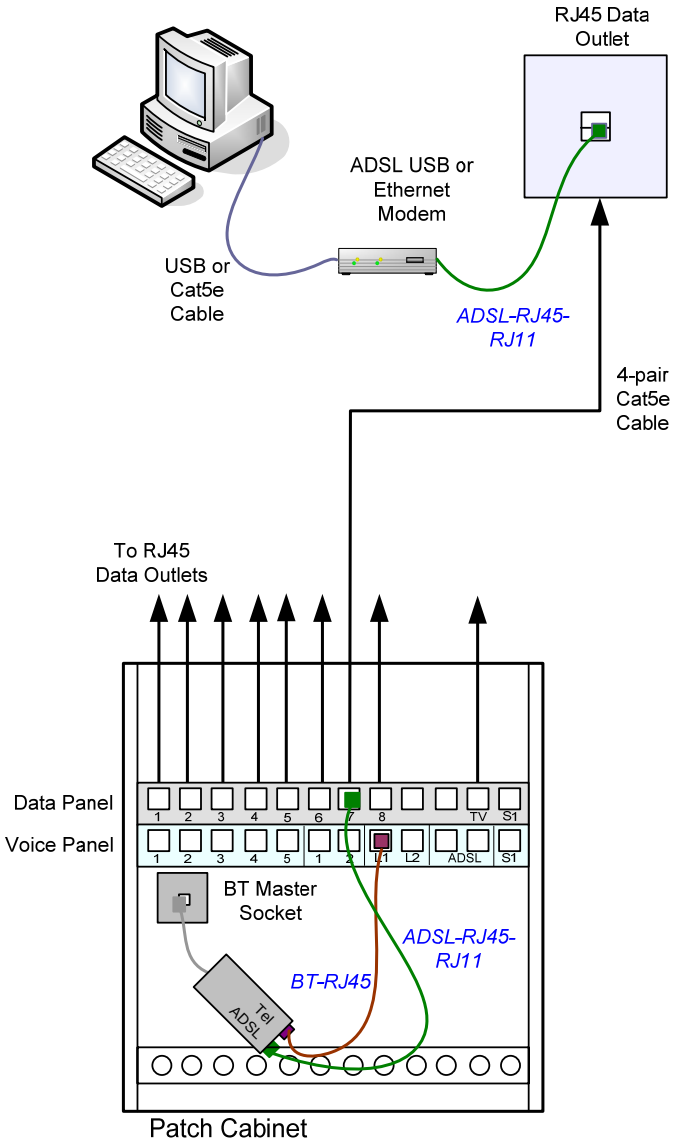


Modem kept in cabinet and connects to one or more computers through structured cabling.
Modem may also support a Wireless Interface.

ADSL Modem in the room

The other main method of installing ADSL is to put the modem next to the computer to which it can be directly connected. The modem can then be of any type (USB or an Ethernet router as described in the previous section).

To connect the modem, two RJ45-RJ11 *(ADSL-RJ45-RJ11)* cables will be required, marked in green in the schematic below.



Although it will work, do not be tempted to use a second ADSL filter connected to the Data outlet, to allow you to split of a telephone next to the computer. This telephone will effectively be connected before the Dispersed Alarm security system and therefore potentially compromise its operation.

5.6 Other Applications

It is possible to extend the system to provide a variety of different functions.

Examples are:

- TV distribution system
- Computer Network
- Telephone switch

Feel free to Call Able Data to discuss. Alternatively visit the Able Data web site. See Section 2.2 for details.

Appendix A Loftbox Re-configuration

This Appendix applies if your dwelling has been fitted with the Loftbox, providing a broader range of TV/Satellite connectivity options. See Section 4.8.

If a Loftbox has not been fitted in your dwelling, but you would be interested in seeing how much it would cost to upgrade, please contact Able Data as described in Section 2.2.

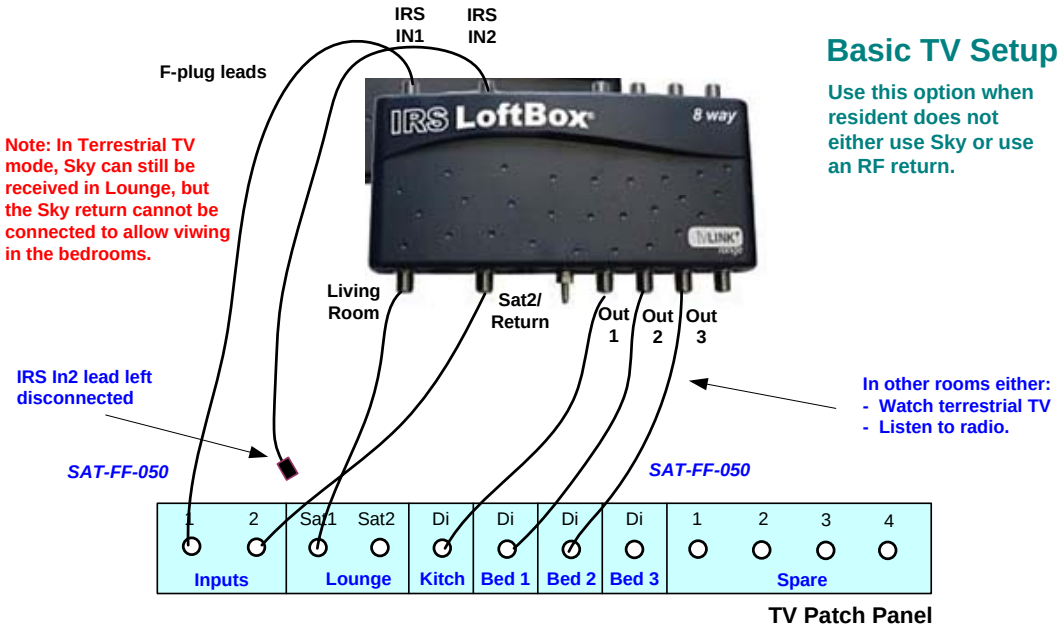
The Loftbox will normally be pre-configured in one of two standard setups, either Basic TV or Sky. Which will depend on the intended use.

- **Basic TV Setup**. For when only a TV is being used in the lounge. TV signals will also be provided to the bedroom outlets. A Sky box (not Sky+ or Sky HD) may also be connected, but the return output cannot be used.
- **Sky Setup**. For when Sky, Sky+ or Sky HD is being used in the lounge. It allows the return from Sky (together with other terrestrial signals) to be fed to the bedrooms. If for any reason the Sky return is not connected, use the Basic TV Setup, otherwise no TV signals will be received in the bedrooms. This mode is also applicable, even if Sky is not being used, when the return from other equipment (such as VHS recorder, DVD player, FreeView receiver) can be utilised.

The schematic below shows how the two different modes are connected within the Equipment Cabinet.

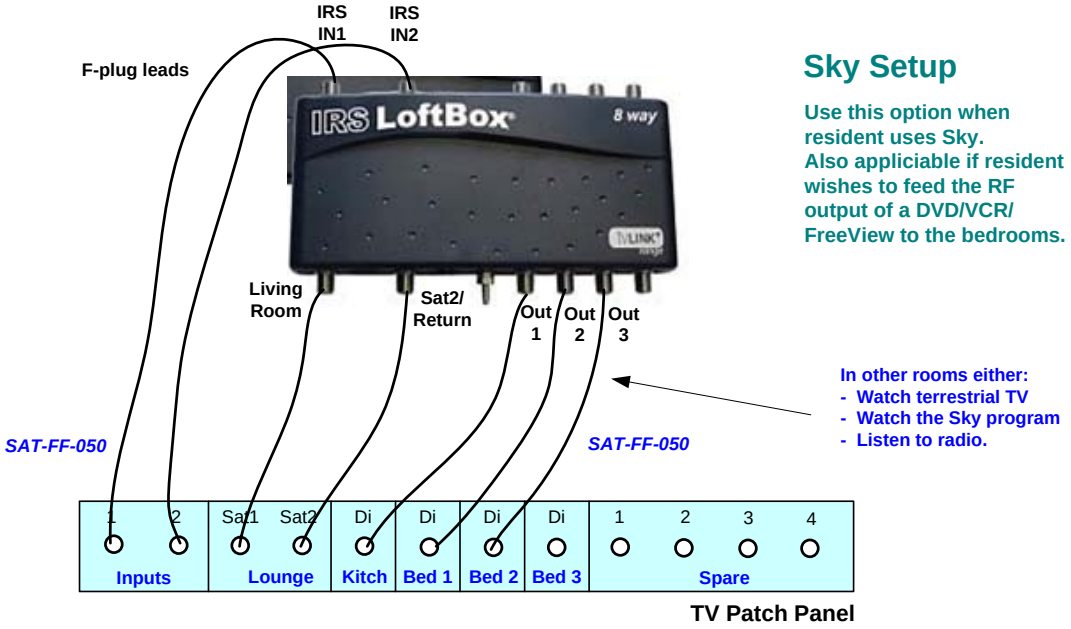
Basic TV Setup

Use this option when resident does not either use Sky or use an RF return.



Sky Setup

Use this option when resident uses Sky.
Also appliciable if resident wishes to feed the RF output of a DVD/VCR/ FreeView to the bedrooms.

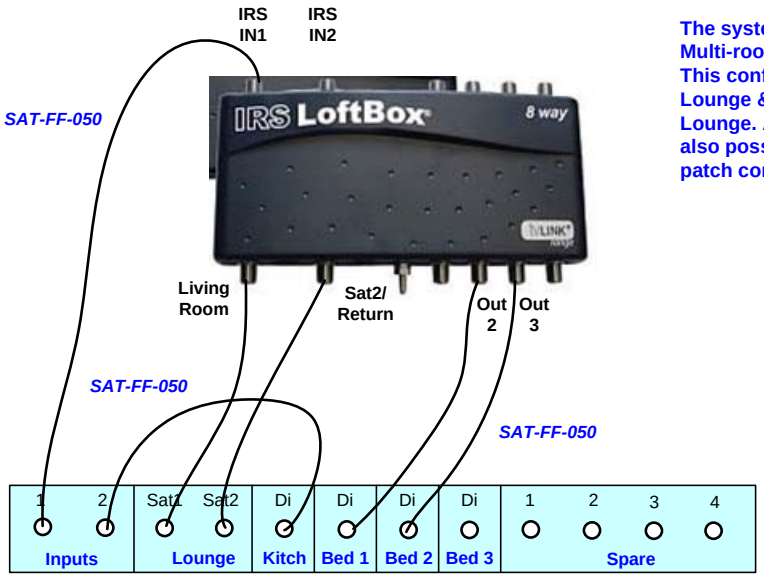


To switch between modes:

Mode Change	Steps
Terrestrial to Sky/Sky+	1. Disconnect the black patch lead on Panel Input 2 and re-connect to Panel Lounge Ret. 2. Connect the unconnected lead (IRS IN2) to Panel Input 2.
Sky/Sky+ to Terrestrial	1. Disconnect the black patch lead on Panel Input 2 and leave floating. 2. Disconnect the black patch lead on Panel Lounge Ret and re-connect to Panel Input 2.

There are other modes which may be employed, to say configure for Sky Multi-room, as shown in the schematic below. Note that this configuration will also require the TV outlet plate in Bedroom 1 to be swapped out for a Triplex Plate.

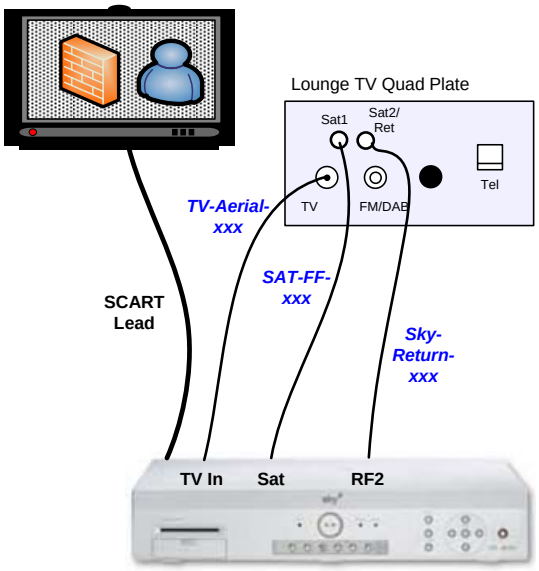
Equipment Cabinet



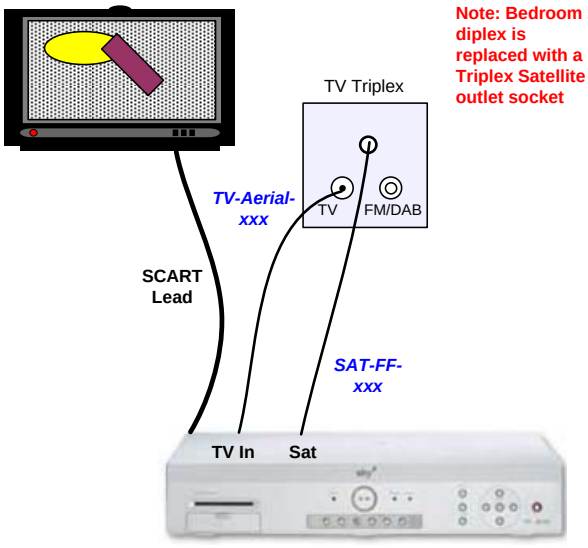
TV Patch Panel

The system can also be configured for Sky Multi-room (Sky two-way).
This configuration shows the Multiroom in Lounge & Bed, return coming from the Lounge. Any other combination of rooms is also possible by appropriate change of patch connections.

Lounge

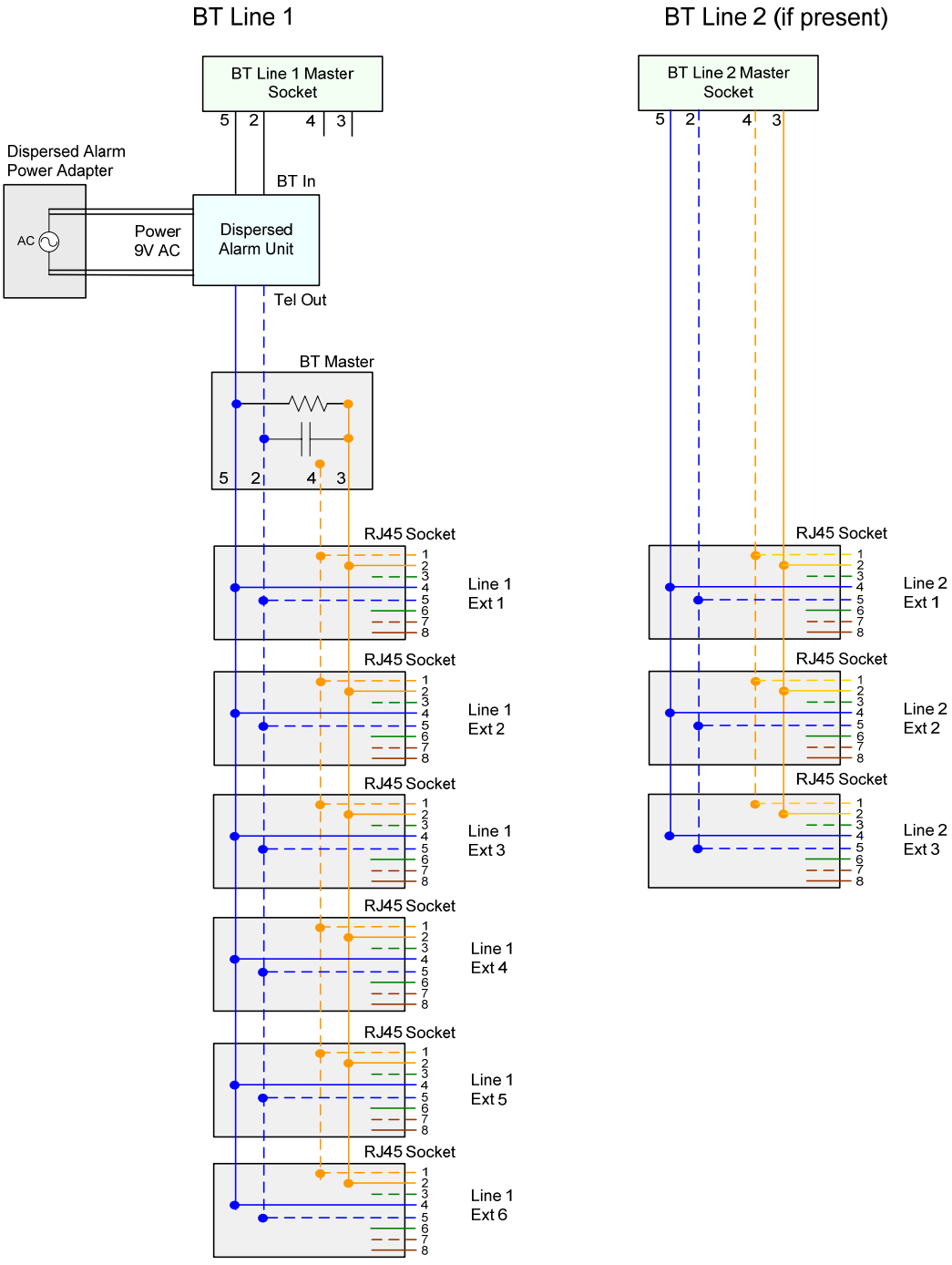


Bed 1



Note: Bedroom 1 diplex is replaced with a Triplex Satellite outlet socket

Appendix B Voice Line Circuit Information



Appendix C Enabling the Sky RF2 Output

By default, a new Sky Box will output nothing from the RF2 output. However once enabled, RF2 will both output the Sky channel to another TV and accept tvLINK remote commands attached to that TV.

To enable RF2:

1. On the Sky remote, select 'System Setup'.

2. Enter in sequence '0', '1' & 'Select'. This will take you to the Installer Setup Menu.

3. Select Option 4 (RF Outlets), taking you to the RF Outlets menu.

4. Set the RF Outlet Power Supply to ON (default is OFF).
5. [Another handy option here is the one to change the RF Channel Number on which the Sky outputs RF and RF2 outputs are set. This may be necessary in order to not conflict with broadcast channels or other equipment such as a VCR or DVD player. A good default channel for Denham is 60, which conflict with no broadcast channels]
6. Save New Settings.

Appendix D Commonly Used Leads & Parts

Part No	Description	Use
Telephone		
Tel-Sec	Secondary Cat5 Adapter	Plug telephone into wall sockets
BT-RJ45	BT to RJ45 Lead (0.5m)	Connect BT 1st or 2nd line into SOHO voice panel
Alarm-LL4000	Tunstall LL4000 Dispersed Alarm RJ45 Power & Voice In/Out Lead	Cable to connect the Tunstall LL4000 Dispersed Alarm unit to a wall data outlet
Alarm-SayPhone21	SayPhone21 Dispersed Alarm RJ45 Power & Voice In/Out Lead	Cable to connect the SayPhone21 Dispersed Alarm unit to a wall data outlet
ADSL		
ADSL-RJ45-RJ11	ADSL RJ11 to RJ45 Lead	Connect ADSL USB modem to wall socket. Two required.
ADSL-Filter	ADSL Filter approved for use with Dispersed Alarm System	Connect into BT wall socket to separate ADSL.
Cat5e Data/Voice Patch Leads		
RJ45-Patch-025	Cat5e RJ45-RJ45 Patch Lead (0.25m)	General patch lead for SOHO cabinet
RJ45-Patch-100	Cat5e RJ45-RJ45 Patch Lead (1m)	General patch lead for computer into wall
RJ45-Patch-200	Cat5e RJ45-RJ45 Patch Lead (2m)	General patch lead for computer into wall
RJ45-Patch-300	Cat5e RJ45-RJ45 Patch Lead (3m)	General patch lead for computer into wall
Satellite/RF Leads		
SAT-FF-025	Satellite Lead (0.25m) F-plug to F-Plug.	Short TV Sat lead for SOHO cabinet – typically used for patching on panel
SAT-FF-050	Satellite Lead (0.5m) F-plug to F-Plug	Long TV Sat lead for SOHO cabinet – typically used for Loft Box connections
SAT-FF-200	Satellite Lead (2m) F-plug to F-Plug	TV Sat lead for connecting Sky box to wall socket. Sky+/HD requires two leads.
SAT-FF-300	Satellite Lead (3m) F-plug to F-Plug	TV Sat lead for connecting Sky box to wall socket. Sky+/HD requires two leads.
TV Aerial Leads		
TV-Aerial-200	TV Lead (2m). IEC Male to IEC Female.	TV lead for connecting TV to wall socket or Video to TV.
TV-Aerial-300	TV Lead (3m) IEC Male to IEC Female.	TV lead for connecting TV to wall socket or Video to TV.
Sky Return Leads		
Sky-Return-200	Sky Return to F-Plug (2m). IEC Female to F-Plug.	Connect Return from Sky box to Sat2 wall socket to watch Sky in bedrooms
Sky-Return-300	Sky Return to F-Plug (3m) IEC Female to F-Plug.	Connect Return from Sky box to Sat2 wall socket to watch Sky in bedrooms
TV Parts		
Sat-Split-2	2-way splitter with Sat return path	Split off signal to bedroom, where both input feeds are being used by Sky+. Install in SOHO cab.
Remote-Sky	Sky Digibox Remote Control	Spare remote. Use with TV Link for remote in 2nd room.
Remote-Sky+	Sky+/HD Remote Control	Spare Sky+/HD remote. Use with TV Link for remote in 2nd room.
Sky-Eye	Global TV Link Eye (Black)	Allows control of a Sky Box in another room. May be used with Sky or Sky+/HD.